

ABSTRACT OF THE DISCLOSURE

The cooling means for the present invention is formed in the screw nut instead of forming in the screw bolt. A cavity is formed between an outer cover and the screw nut as a pathway for cooling agent so as to deprive the screw nut of generated heat therein. To assure a better cooling effect, portion of the screw nut adjacent to the outer cover is pared partially to enlarge the space of the cavity therebetween. Furthermore, a guiding tube spirally encircling the screw nut, or reciprocating in the longitudinal direction of the ball screw axis on the screw nut, is provided for guiding the cooling agent therein so as to prevent leaking of cooling agent.

(Fig.2)